I 49.89:87-47.1/MAP B9

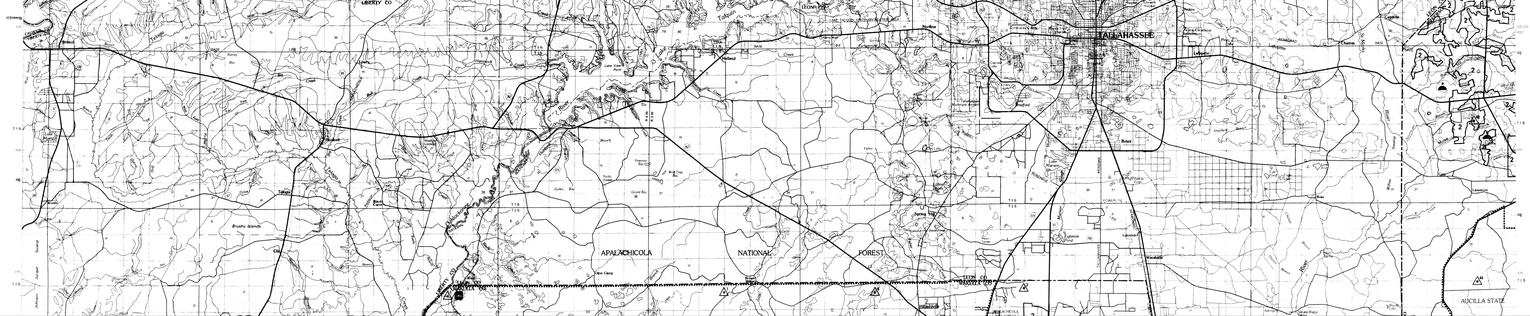
MAP B9

MMS 85-0011
FWS/OBS-82/47.1

Tallahassee

FLORIDA ECOLOGICAL ATLAS

SOCIOECONOMIC FEATURES



ORIGINAL

Scale 1:100 000

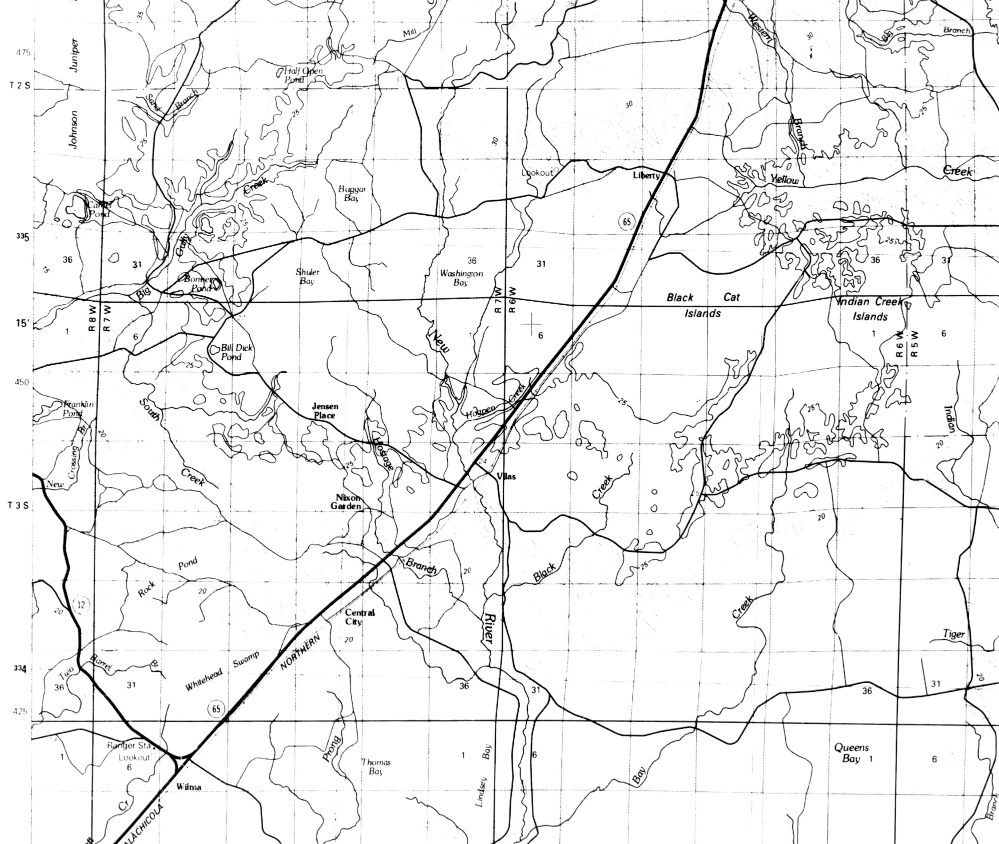
TOPICAL MAPS IN THIS ATLAS:

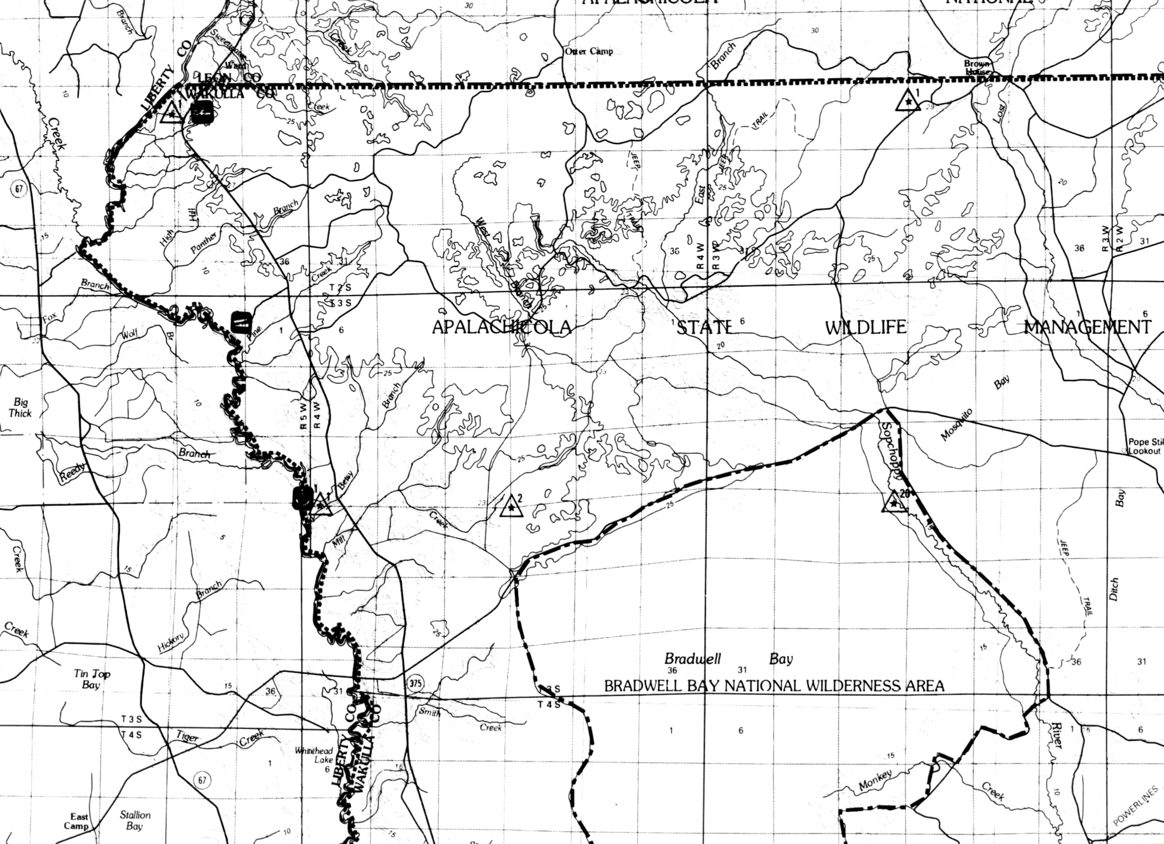
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

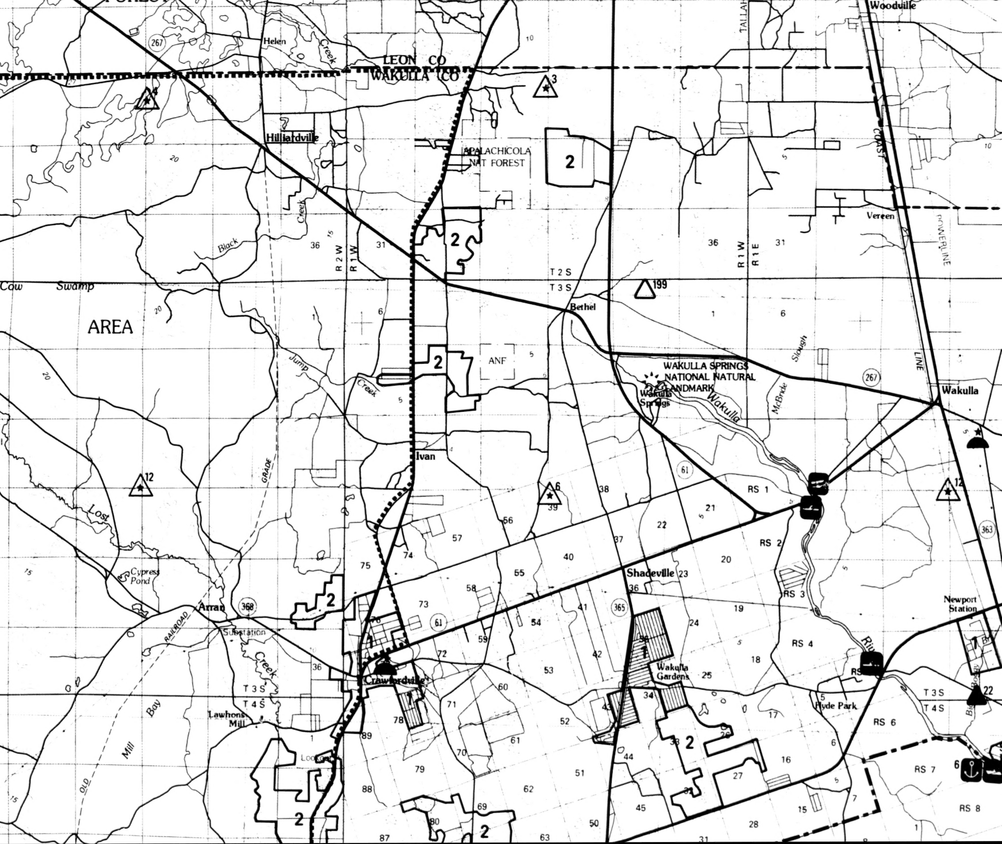
1984

Produced by U.S. Fish and Wildlife Service
and Minerals Management Services

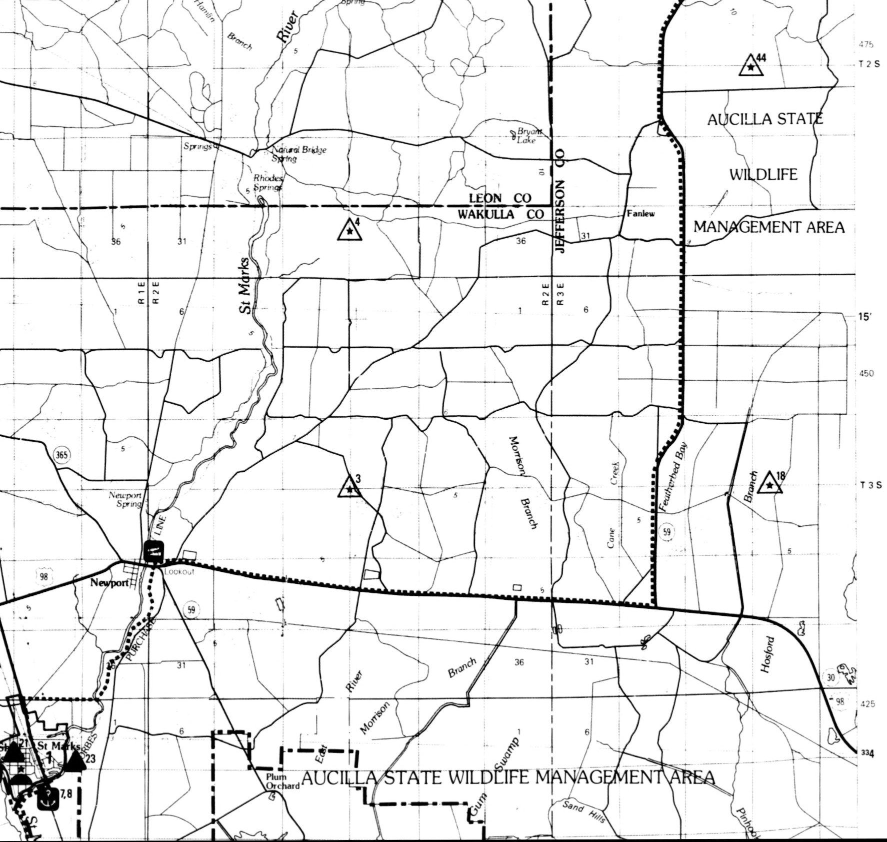
Projection and 10,000 meter grid, zone 17, Universal Transverse Mercator
Horizontal control is based on Florida coordinate system, west zone


475
T 2 S
Juniper
Johnson
Mill
Half Open Pond
Sand Branch
Western
Branch
Big
30
25
35
Brandy Branch
Lookout
Liberty
Yellow
Creek
Camel Pond
Creek
Buggar Bay
65
Gully
Big
Bonnet Pond
Shuler Bay
Washington Bay
Black Cat Islands
Indian Creek Islands
335
36
31
36
31
36
31
15'
1
R 8 W
R 7 W
R 7 W
R 6 W
R 6 W
R 5 W
6
6
1
6
Bill Dick Pond
New
450
Franklin Pond
South
Jensen Place
Hoppen Creek
Indian
Crossing Br
Hostage
24
Vilas
Creek
New
Creek
Nixon Garden
T 3 S
20
25
Pond
Rock
Branch
Black
12
Central City
Creek
River
Tiger
NORTHERN
Whitehead Swamp
Barrel Br
Two
334
36
31
36
31
36
31
425
65
Ranger Sta. Lookout
Prong
Thomas Bay
Bay
Lindsey
Bay
Queens Bay
1
6
1
6
1
6
Wilma
Cr
APALACHICOLA
Branch


APALACHICOLA
NATIONAL
Otter Camp
Branch
Brown House
LIBERTY CO
LEON CO
WAKULLA CO
Sweetwater
Ward
Creek
Creek
Branch
Creek
67
High Hill
Panther
Branch
Creek
Branch
T 2 S
T 3 S
Fox
Wolf Br
Pine
Big Thick
R 5 W
R 4 W
Branch
Branch
Reedy
Betsy
West Branch
JEEP TRAIL
East
JEEP
Lost
R 4 W
R 3 W
R 3 W
R 2 W
APALACHICOLA STATE WILDLIFE MANAGEMENT
Mosquito Bay
Sopchoppy
Pope Still Lookout
Creek
Mill
Creek
Hickory Branch
Creek
JEEP TRAIL
Bay Ditch
Tin Top Bay
Bradwell Bay
BRADWELL BAY NATIONAL WILDERNESS AREA
375
T 3 S
T 4 S
Smith Creek
T 3 S
T 4 S
Tiger Creek
Whitehead Lake
LIBERTY CO
WAKULLA CO
67
East Camp
Stallion Bay
Monkey Creek
River
POWERLINES



Woodville
Helen
267
Creek
LEON CO
WAKULLA CO
TALLAH
10
3
4
Hilliardville
APALACHICOLA
NAT FOREST
2
20
COAST
Vereen
POWERLINE
LINE
Black
Creek
15
36
R 2 W
R 1 W
31
T 2 S
T 3 S
R 1 W
R 1 E
Cow
Swamp
199
Bethel
AREA
6
1
Jump
Creek
ANF
5
Slough
WAKULLA SPRINGS
NATIONAL NATURAL
LANDMARK
Wakulla
Springs
Wakulla
McBride
Wakulla
Ivan
GRADE
12
61
38
RS 1
Lost
39
56
57
74
75
21
22
37
40
55
RS 2
20
363
Cypress
Pond
Arran
368
RAILROAD
Substation
Creek
36
Shadeville
23
58
73
41
54
365
19
RS 3
Newport
Station
61
59
24
RS 4
18
72
42
53
Wakulla
Gardens
25
Riv
RS
Crawfordville
Bay
T 3 S
T 4 S
Lawhons
Mill
OLD
Mill
60
71
78
52
43
34
17
Hyde Park
RS 6
T 3 S
T 4 S
22
89
1
Lookout
61
70
44
33
26
16
RS 7
6
Big Boggy
79
88
51
62
27
45
15
7
RS 8
87
80
69
50
63
31
28

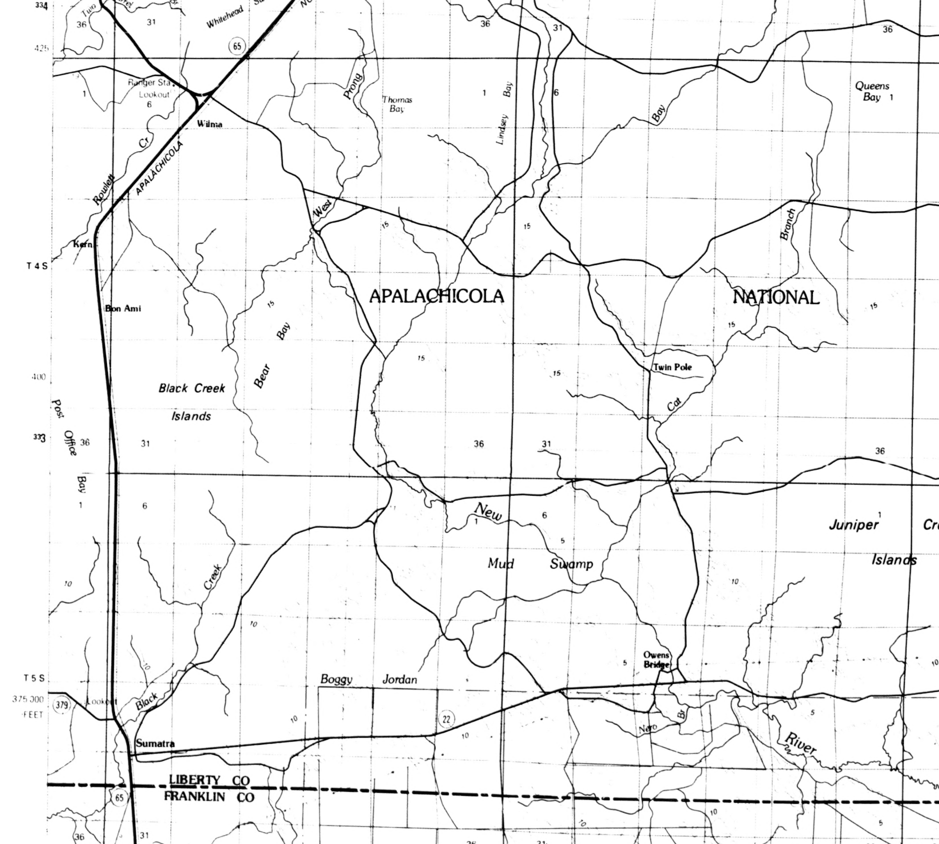

Hamlin
Branch
River
Spring
5
10
475
44
T 2 S
AUCILLA STATE
WILDLIFE
MANAGEMENT AREA
Springs
Natural Bridge
Spring
Bryant
Lake
Rhodes
Springs
5
10
JEFFERSON CO
LEON CO
WAKULLA CO
Fanlew
4
36
31
36
31
St Marks
R 1 E
R 2 E
R 2 E
R 3 E
1
6
1
6
15′
450
365
5
Morrison
Branch
Creek
Cane
Featherbed Bay
Branch
18
3
T 3 S
Newport
Spring
LINE
5
5
59
5
Lookout
98
Newport
5
59
PURCHASE
6
31
36
31
River
Branch
Hosford
30
98
425
Morrison
1
6
1
6
St Marks
21
23
7,8
FORBES
East
Swamp
Gum
Plum
Orchard
AUCILLA STATE WILDLIFE MANAGEMENT AREA
Sand Hills
Pinhook
334

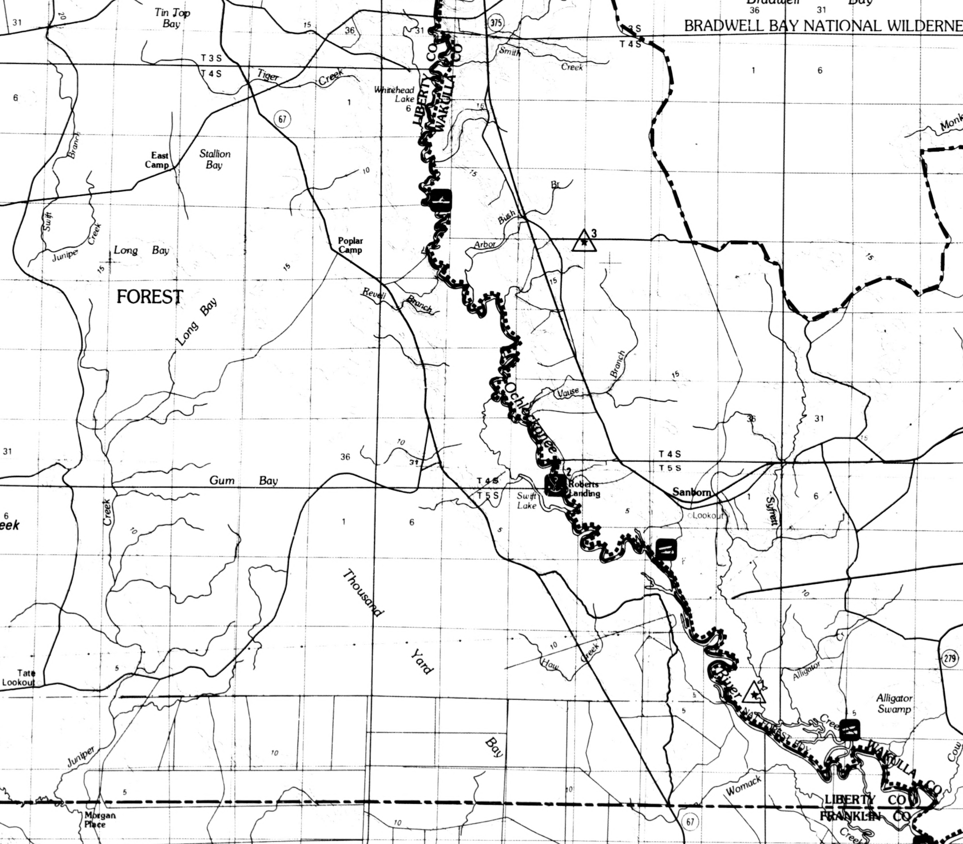
Produced by U.S. Fish and Wildlife Service
and Minerals Management Services

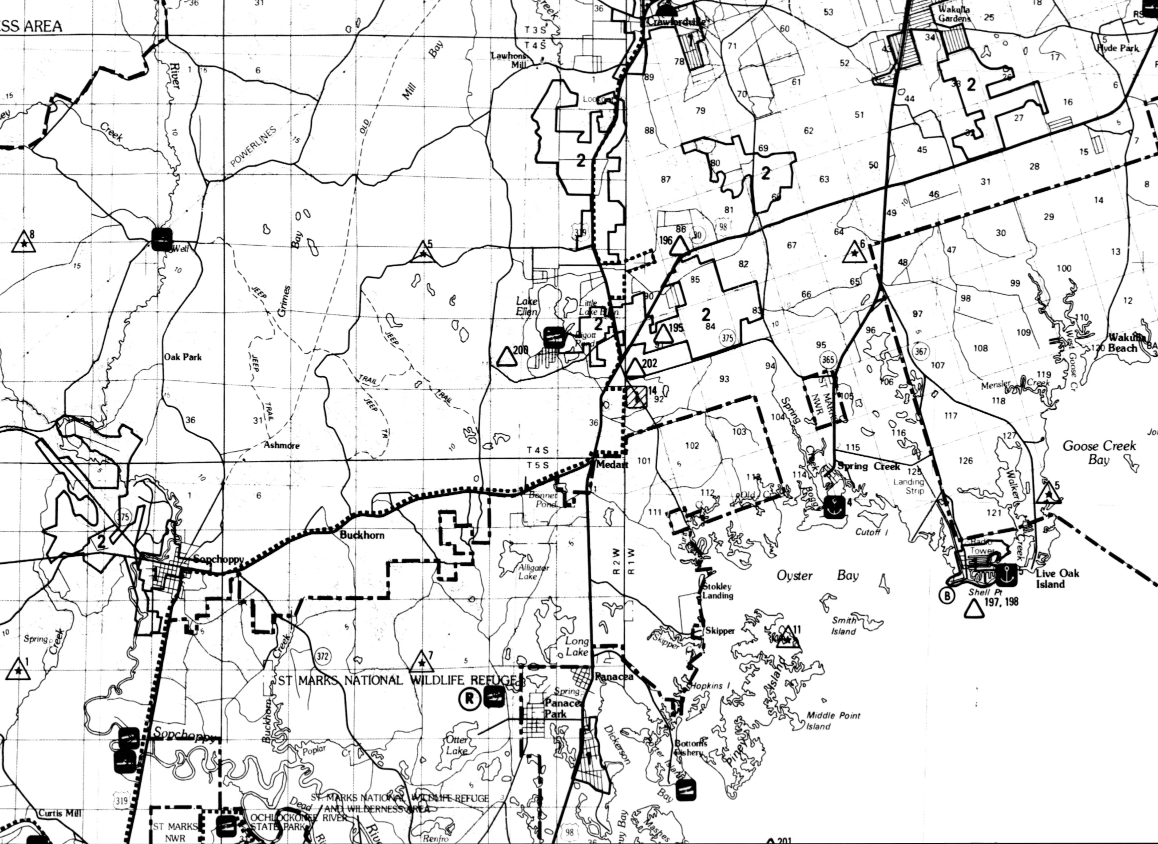
Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

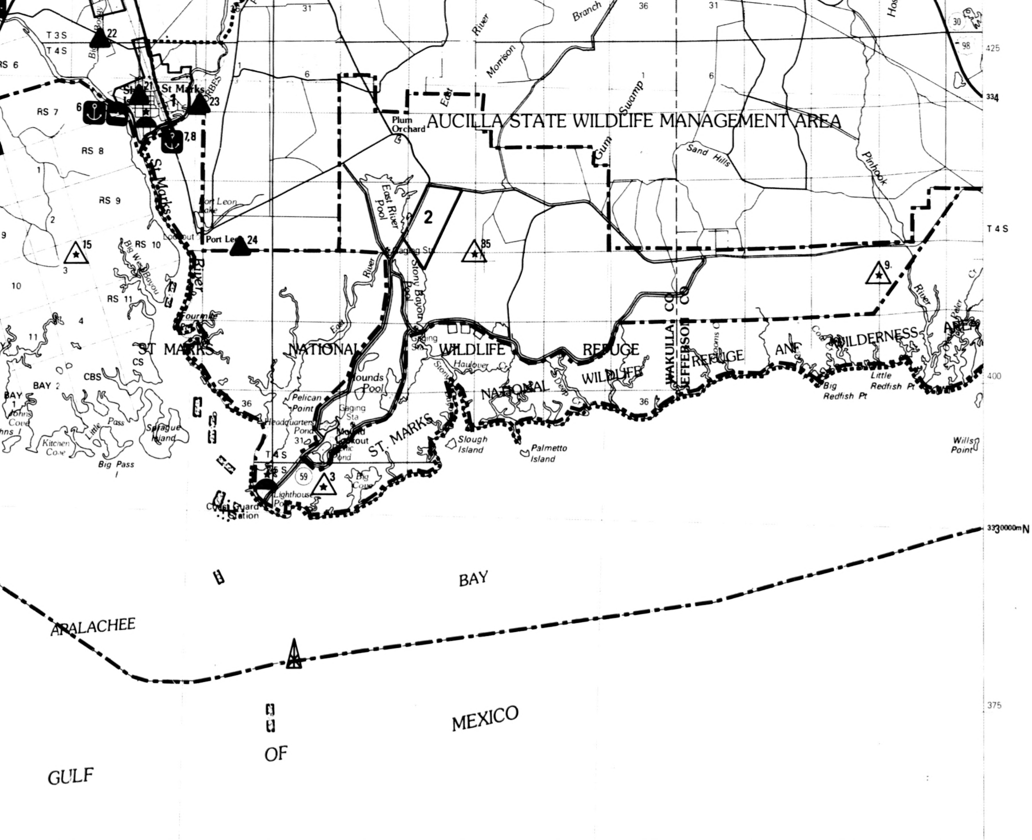
— · — ·	NATIONAL LANDS: PARKS, PRESERVES, WILDERNESS AREAS, WILDLIFE REFUGES, MARINE AND ESTUARINE SANCTUARIES, AND MILITARY LANDS
··········	STATE PARKS, RECREATION AREAS, WILDERNESS AREAS AND WILDLIFE MANAGEMENT AREAS
⬚	STATE AQUATIC PRESERVE NOTE: Only those lands waterward of the mean high-water line, within this boundary area, are within the aquatic preserve.
©	CONSERVATION LAND (STATE-OWNED) (Environmentally Endangered Land, Water Management Land and Archaeological and Historical Preservation Land)
®	RECREATION LAND (≥ 25 ACRES) (County and Municipal Parks and Recreation Areas)
Ⓑ	INTENSIVELY UTILIZED RECREATIONAL BEACH ACCESS POINT
⚓	MARINA*
⛴	CHARTER AND/OR HEAD BOAT LOCATION
■	PUBLIC BOAT RAMP
■	FLORIDA CANOE TRAIL SYSTEM


334
425
T 4 S
400
333
T 5 S
375 000
FEET
Two
Whitehead
65
Ranger Sta
Lookout
Wilma
Rowlett
Cr
APALACHICOLA
Kern
Bon Ami
Prong
Thomas
Bay
West
Lindsey
Bay
Bay
Queens
Bay
Branch
APALACHICOLA
NATIONAL
Black Creek
Islands
Bear
Bay
Post
Office
Bay
Twin Pole
Cat
New
Mud
Swamp
Juniper
Islands
Creek
Owens
Bridge
Boggy
Jordan
Black
Lookout
379
22
Sumatra
Nero
Br
River
LIBERTY CO
FRANKLIN CO
65
36
31
6
1
15
10
5

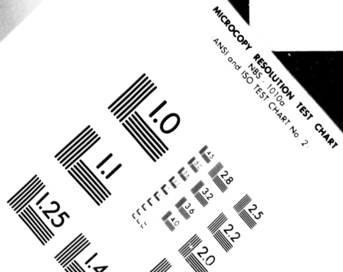

BRADWELL BAY NATIONAL WILDERNE
Bradwell
Bay
Tin Top
Bay
Smith
Creek
Tiger
Creek
Whitehead
Lake
LIBERTY CO
WAKULLA CO
T 3 S
T 4 S
T 4 S
T 5 S
375
67
67
279
East
Camp
Stallion
Bay
Branch
Swift
Junipe
Creek
Long
Bay
Poplar
Camp
Bush
Br
Arbor
3
FOREST
Long Bay
Revell
Branch
Branch
Vause
Ochlockonee
River
Gum
Bay
2
Roberts
Landing
Swift
Lake
Sanborn
Lookout
Sykrett
Creek
eek
Thousand
Yard
Bay
Haw
Creek
Alligator
Cree
Alligator
Swamp
NAT FOREST BDY
WAKULLA CO
LIBERTY CO
FRANKLIN CO
Tate
Lookout
Juniper
Morgan
Place
Womack
Creek
Monk
Cow
10
15
5
1
6
31
36
20

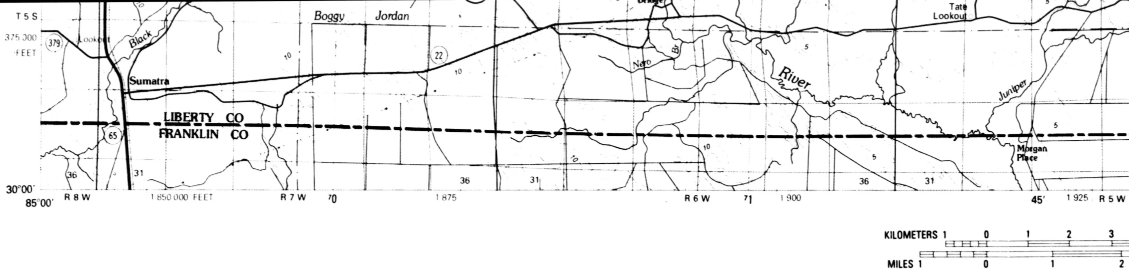


SS AREA
Crawfordville
Wakulla Gardens
Hyde Park
Lawhons Mill
Lockout
River
Creek
POWERLINES
OLD Mill Bay
Well
Grimes Bay
JEEP TRAIL
Oak Park
Ashmore
Lake Ellen
Little Lake Ellen
Bigott Pond
Medart
Bonnet Pond
Buckhorn
Sopchoppy
Alligator Lake
Long Lake
Panacea
Spring
Panacea Park
Otter Lake
Poplar Cr
Dead River
Curtis Mill
ST MARKS NATIONAL WILDLIFE REFUGE
ST MARKS NATIONAL WILDLIFE REFUGE AND WILDERNESS AREA
OCHLOCKONEE RIVER STATE PARK
ST MARKS NWR
Renfro
Dickerson Bay
Stokley Landing
Skipper
Hopkins I
Bottoms Fishery
Oyster Bay
Smith Island
Middle Point Island
Piney Island
Spring Creek
Landing Strip
Cutoff I
Old Cr
Boggy
Mensler Creek
Walker Creek
West Goose Cr
Goose Creek Bay
Wakulla Beach
Radio Tower
Live Oak Island
Shell Pt
197, 198
T 3 S
T 4 S
T 5 S
R 2 W
R 1 W
319
98
375
365
367
372
2
5
6
7
8
11
14
195
196
200
202


AUCILLA STATE WILDLIFE MANAGEMENT AREA
ST MARKS NATIONAL WILDLIFE REFUGE
ST. MARKS NATIONAL WILDLIFE REFUGE AND WILDERNESS AREA
WAKULLA CO
JEFFERSON CO
T 3 S
T 4 S
T 5 S
RS 6
RS 7
RS 8
RS 9
RS 10
RS 11
CS
CBS
BAY
BAY 2
St Marks
SH
FORBES
Plum Orchard
East River
Morrison
Branch
Gum Swamp
Sand Hills
Pinhook
East River Pool
Stony Bayou Pool
Gaging Sta
Port Leon Lake
Lookout
Port Leon
St Marks River
Big West Bayou
Fourmile Pt
Pelican Point
Headquarters Pond
Mounds Pool
Mound Lookout
Picnic Pond
Lighthouse Pool
Coast Guard Station
Big Cove
Haulover Cr
Deep Cr
Slough Island
Palmetto Island
Big Redfish Pt
Little Redfish Pt
Wills Point
Johns Cove
Johns I
Kitchen Cove
Little Pass
Sprague Island
Big Pass
Aucilla River
2
1
6
7,8
3
9
15
21
22
23
24
35
59
30
98
31
36
425
334
T 4 S
400
3330000m N
375
APALACHEE BAY
GULF OF MEXICO

Ⓑ	INTENSIVELY UTILIZED RECREATIONAL BEACH ACCESS POINT
⚓	MARINA*
⛴	CHARTER AND/OR HEAD BOAT LOCATION
■	PUBLIC BOAT RAMP
■	FLORIDA CANOE TRAIL SYSTEM
⊣	MAJOR PUBLIC FISHING PIER*
■	ARTIFICAL REEF* (Permitted by Florida Dept. of Environmental Regulation) Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.
⌗	SHIPWRECK (SUNKEN OR EXPOSED)
▲	MAJOR OFFSHORE STRUCTURE (≥ 30 FEET IN HEIGHT)
	LAND USE
1	Urban Land
2	Agricultural Land
3	Range Land
	All other land use classifications not portrayed consist primarily of wetlands and other habitats. Wetlands mapping units are delineated on Map A, Biological Resources.
	LANDFILL*
▨1	Class 1 (≥ 200 tons/month or ≥ 50 cubic yards/month)
▨2	Class 2 (< 200 tons/month or < 50 cubic yards/month)
⬚	DREDGE SPOIL DISPOSAL SITE (Permitted by the U.S. Army Corps of Engineers)
	POINT SOURCE DISCHARGE* (Permitted by the Florida Dept. of Environmental Regulation)
▲	Industrial Point Source


MICROCOPY RESOLUTION TEST CHART
NBS 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
1.1
1.25
1.4
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0


T 5 S
375 000 FEET
379
Lookout
Black
Sumatra
Boggy
Jordan
22
Nero
Br
River
Tate Lookout
Juniper
LIBERTY CO
FRANKLIN CO
65
Morgan Place
36
31
30°00′
85°00′
R 8 W
1 850 000 FEET
R 7 W
70
1 875
R 6 W
71
1 900
45′
1 925
R 5 W
KILOMETERS 1 0 1 2 3
MILES 1 0 1 2

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

FEDERAL & STATE CONSERVATION, PRESERVATION & RECREATION AREAS: Fla. Dept. of Transportation, Areas of Environmental Concern Map Series, 1981.

MILITARY LANDS: Fla. Dept. of Transportation, Areas of Environmental Concern Map Series, 1981.

ARTIFICIAL REEFS: Fla. Sea Grant Program, 1982.

OFFSHORE STRUCTURES & SHIPWRECKS: National Ocean Survey Nautical Charts and Computer Printouts, 1981.

LAND USE CLASSIFICATION: U.S. Geological Survey Land Use Classification Maps, 1975.

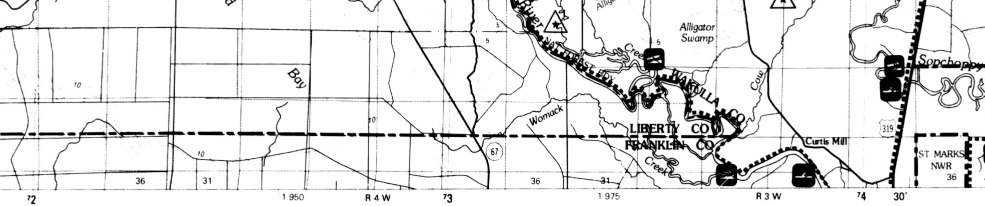
POINT SOURCE DISCHARGES AND LANDFILLS: Fla. Dept. of Environmental Regulation Computer Printouts, 1981.

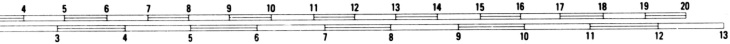
DREDGE SPOIL DISPOSAL SITES: Fla. Dept. of Environmental Regulation, 1981.

HISTORICAL & ARCHAEOLOGICAL SITES: Compilation from Fla. Bureau of Historic Preservation, 1982.

NATURE CONSERVANCY LANDS: Data provided by The Nature Conservancy, 1983.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

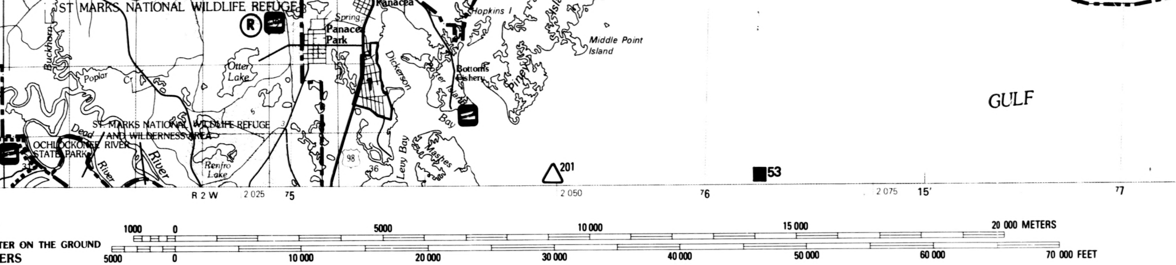

Alligator Swamp
Creek
Bay
10
5
River
NAT FOREST BDY
WAKULLA CO
Cow
Womack
LIBERTY CO
FRANKLIN CO
Creek
Curtis Mill
319
67
Sopchoppy
ST MARKS NWR
36
31
72
1 950
R 4 W
73
1 975
R 3 W
74
30′

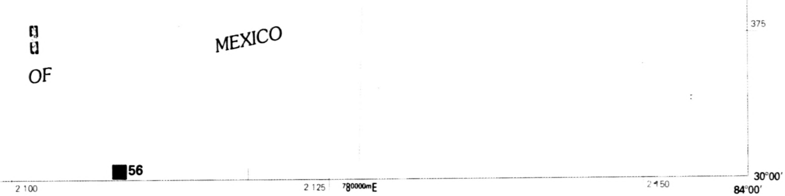

4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
3
4
5
6
7
8
9
10
11
12
13

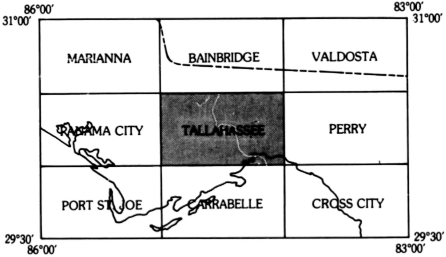
SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMET

CONTOUR INTERVAL 5 MET


ST MARKS NATIONAL WILDLIFE REFUGE
Panacea
Spring
Panacea Park
Hopkins I
Middle Point Island
Buckhorn
Poplar Cr
Otter Lake
Dickerson
Porter Island
Bottoms Fishery
Piney
Bay
GULF
ST. MARKS NATIONAL WILDLIFE REFUGE AND WILDERNESS AREA
Dead River
OCHLOCKONEE RIVER STATE PARK
River
Renfro Lake
98
36
Levy Bay
Mashes
201
53
R 2 W
2 025
75
2 050
76
2 075
15′
77
1000
0
5000
10 000
15 000
20 000 METERS
TER ON THE GROUND
ERS
5000
0
10 000
20 000
30 000
40 000
50 000
60 000
70 000 FEET


MEXICO
OF
56
375
30°00′
84°00′
2 100
2 125
780000mE
2 150


86°00′
31°00′
83°00′
31°00′
MARIANNA
BAINBRIDGE
VALDOSTA
PANAMA CITY
TALLAHASSEE
PERRY
PORT ST. JOE
CARRABELLE
CROSS CITY
29°30′
86°00′
29°30′
83°00′

≤ 50 cubic yards/month)

DREDGE SPOIL DISPOSAL SITE
(Permitted by the U.S. Army Corps
of Engineers)

POINT SOURCE DISCHARGE*
(Permitted by the Florida Dept.
of Environmental Regulation)

Industrial Point Source

Municipal Point Source

NATIONAL NATURAL LANDMARK

NATIONAL REGISTER OF HISTORIC PLACES

ARCHAEOLOGICAL AND HISTORICAL SITES
(Number next to symbol represents total number
of archaeological and historic sites per township
and range)

NATURE CONSERVANCY LAND

STUDY AREA BOUNDARY

Offshore

Inland (County)

Inland (State)

**Symbols appearing with numbers are described more fully in the narrative.*

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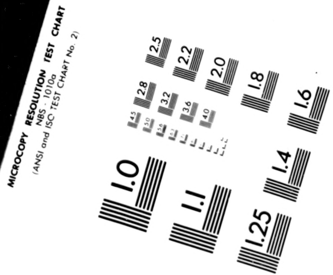
BEST AVAILABLE COPY


MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
2.5
2.2
2.0
1.8
1.6
2.8
3.2
3.6
4.0
4.5
5.0
5.6
1.0
1.1
1.25
1.4